

U.S. Patent Application Serial No. 10/648,356
Amendment filed August 29, 2005
Reply to OA dated May 27, 2005

AMENDMENTS TO THE SPECIFICATION:

Amend the specification as follows:

Please replace the paragraph beginning at page 5, line 21, with the following rewritten paragraph:

To achieve such a structure, the present invention provides a laminated structure that includes a first layer, a ~~[[second]]~~ third layer containing magnesium fluoride as a main component, and a ~~[[third]]~~ second layer containing titanium oxynitride as a main component, the first layer having a different refractive index from that of the ~~[[first]]~~ third layer or the second layer. In this laminated structure, two or more reflective planes are provided, and the thickness of the third layer is smaller than 1/4 wavelength.

Please replace the paragraph bridging pages 6 and 7 (line 29, page 6 through line 10, page 7), with the following rewritten paragraph:

If an optical multilayer film has a double-layer structure made of titanium oxynitride and magnesium fluoride, however, the stress cannot be reduced to a desired level. This is because such an optical multilayer film cannot exhibit the desired optical effects due to the interference of rays of reflected light between planes having ~~difference~~ different refractive indices. The optical multilayer film having a double-layer structure includes only one reflective plane, and therefore, a thickness of 1/4 wavelength or greater is required to cause interference. With a thickness smaller than that, it is

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difficult to cause interference. In other words, in the double-layer structure including a titanium oxynitride layer and a magnesium fluoride layer, the thickness of each layer cannot be reduced. Although excellent stress controllability is obtained through the use of titanium oxynitride, the stress caused by the layer of magnesium fluoride cannot be controlled freely.

Please replace the paragraph beginning at page7, line 21, with the following rewritten paragraph:

The layer of magnesium fluoride and the layer of titanium oxynitride may be directly connected with each other or another layer may be interposed therebetween. Individual stress caused in the optical multilayer film may be suppressed as a whole.